

Sarah Louise Bridle

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Career:

Oct 08-present Reader, University College London, UK
Sep 04-present Royal Society University Research Fellowship, held at UCL
Sep 04-Sep 08 Lecturer, University College London, UK
Oct 03-Aug 04 College Lecturer, Selwyn College, Cambridge University, UK
Royal Society University Research Fellowship held at the IoA, Cambridge
Oct 01-Sep 03 Selwyn College Trevelyan Research Fellowship
Held at Institute of Astronomy, Cambridge University, UK
Oct 00- Oct 01 Laboratoire d'Astrophysique, OMP, Toulouse, France
TMR Postdoctoral Fellowship from the EEC Lensing Network

Education:

1997-2000 Cavendish Astrophysics Group, Cambridge University
Ph.D. 'Bayesian Methods in Cosmology' supervisor M.P. Hobson
PPARC Studentship Award
1993-1997 Cambridge University, Natural Sciences B.A. Hons. and M.Sci
Part III Physics (1st Class), Foundress Prize
Part II Theoretical Physics (1st Class), Dr Stevens Prize
Part 1B Advanced Physics, Maths (1st Class), Foundress Prize
Part 1A Physics, Chemistry, Cells (1st Class), Satish Kumar Prize

Grants:

- **CoI £50k**, 2008 STFC further bridging support for Euclid satellite project development (PI: Cropper; CoIs: Sharples, Baugh, Peacock, Taylor, Heavens, Bridle, Lahav, Weller, Viti, Bryson, Hook, Rawlings, Dalton, Kitching, Ferreras, Jarvis, Sergent, Holland)
- **CoI £52k**, 2008 "PATT Support", STFC (PI: Howarth, 18 CoIs).
- **PI €21 500**, Funding from PASCAL Network (which is funded by the European Commission) for GREAT08 PASCAL Challenge (PI: Bridle, 30 CoIs)
- **CoI £20k**, 2008 STFC bridging support for Euclid satellite project development (PI: Cropper; CoIs: Taylor, Peacock, Bryson, Lahav, Viti, Weller, Heavens)
- **CoI £1M**, 2008-2013, "*Cosmology: from Galaxy Surveys to Dark Matter and Dark Energy*", STFC Rolling Grant, (PI: Lahav, CoI: Weller).
- **PI £10 448**, Funding from PASCAL Network (which is funded by the European Commission) for GREAT08 PASCAL Challenge (PI: Bridle, 30 CoIs)
- **PI, £269 440**, 2008 - 2011, "*Constraining and testing cosmological models*", Royal Society URF 3 year extension, (PI: Bridle, 0 CoIs).
- **CoI, £6000**, 2007 - 2010, ARC Linkage Travel Grant "*The formation and structure of distant galaxies*" (PI: Drinkwater; CoIs: Couch, Blake, Yee, Martin, Small)
- **PI £4970**, 2007 - 2008, "*Dark Energy from Cosmic Lensing: Removing Intrinsic Alignments*", UCL MAPS Faculty Prize, PI, (PI: Bridle, 0 CoIs).
- **PI, £2000**, 2007, "*The nature of dark matter from cosmic gravitational lensing*", Royal Society Summer Studentship, PI (PI: Bridle, 0 CoIs).
- **PI, £1400**, 2007, "*Dark energy constraints from galaxy-cluster lensing*", RAS Summer Studentship, (PI: Bridle, 0 CoIs)
- **CoI, £6500**, 2007 - 2008, "*Personal Response Systems for teaching*", UCL ESCILTA and TEESC, (PI: Witherick; about 10 CoIs)

- **CoI, £59 940**, 2007 - 2008, "*RIOJA - Repository Interface for Overlaid Journal Archives*", JISC, (PI: M. Moyle; about 5 CoIs)
- **PI, £1750**, 2006, "*The Alignment of Light and Mass in Deep Lens Survey Galaxy Clusters*", RAS Summer Studentship (PI: Bridle, 0 CoIs).
- **PI, £186 144**, 2006 - 2009, "*Measuring Cosmic Shear*", PPARC standard grant (PI: Bridle, CoIs: Lahav, Weller).
- **CoI, £186 144**, 2006 - 2009, "*Cosmology with the new generation of photometric redshift surveys*", PPARC standard grant (PI: Lahav; CoI: Weller).
- **CoI, £316 362**, 2006 - 2008, "*COSMOS supercomputer operations*", PPARC, (PI: S. Hawking; CoIs: B. Bassett, R. Battye, E. Copeland, R. Crittenden, G. Efstathiou, P. Ferreira, M. Hindmarsh, M. Hobson, A.H. Jaffe, A. Lasenby, A.R. Liddle, R. Maartens, J. Magueijo, R. Nichol, A.K. Rajantie M. Rowan-Robinson, E.P.S. Shellard, J. Silk, N. Turok, J. Weller)
- **CoI, £1.7M**, 2005 -, "*A Proposal to PPARC (PPRP) for the Dark Energy Survey*", STFC, CoI (PI Lahav, about 10 CoIs)
- **CoI, £1 035 140**, 2004 - 2007, "*Observational Astronomy at IoA*", PPARC Rolling Grant, IoA Cambridge (PI: Gilmore; 15 other CoIs).
- **PI, £200 333**, 2003 – 2008, "*Constraining and testing cosmological models*", Royal Society URF, (PI: Bridle, 0 CoIs)

Prizes and Awards:

2009	Royal Astronomical Society's 2009 Fowler Award for Astronomy
2008	L'Oreal UK and Ireland Fellowship for Women in Science (£15k)
2008	Royal Astronomical Society Group Achievement Award for 2dFGRS
2008	Royal Society University Research Fellowship 3 year extension (£269 440)
2007	UCL MAPS Faculty Prize (£4970)
2003	Royal Society University Research Fellowship (£200 333)
1997	PPARC Studentship Award
1997	Pembroke College, Cambridge, Foundress Prize
1996	Pembroke College, Cambridge, Dr Stevens Prize
1995	Pembroke College, Cambridge, Foundress Prize
1994	Pembroke College, Cambridge, Satish Kumar Prize

Recent Professional Activities:

Sep 09	Organiser of UK Work-Life Balance in Astronomy Workshop, UCL
Sep 09	Scientific Organizing Committee of Statistical Frontiers of Astrophysics, IPMU, Japan
Jul 09	Organiser of GREAT08 Challenge Final Workshop (hosted at COSMOSTATS09)
Jul 09	Scientific Organizing Committee "COSMOSTATS09: Statistical challenges in cosmology"
Apr 09 -	Member of STFC Far Universe Advisory Panel (FUAP)
Apr 09	Lead organizer of JENAM/NAM Symposium 2
Jul 08 -	Organiser of UCL Women in Physics and Astronomy monthly meetings
Jul 08	Co-organiser of 1 day workshop on publishing models (RIOJA Workshop), Cambridge
Jan 07 -	Faculty Library Committee representative for UCL Dept of Physics and Astronomy
May 07 -	Member of Dark Energy Survey (DES) Science Committee
May 07 -	Co-coordinator of the Dark Energy Survey international Weak Lensing Working Group
Sept 04 -	www.cosmocoffee.info co-founder and co-organiser

Referee for MNRAS, PRD, PRL, PLB, ApJ, ApJL

External PhD Examiner Ana Lopes, Oxford (2004); Bill Frith, Durham (2005); Patrick Hudelot, Toulouse, France (2005); Ed Edmunsen, Oxford (2006); Alexie Leauthaud, Marseille (rapporteur, Sept 2007); Eric Jullo, Marseille (rapporteur, Nov 2008); Sandrine Pires, CEA Saclay (rapporteur, Dec 2008)

Internal PhD Examiner Anastasia Niarchou, Imperial (2006)

External Assessor for PPARC standard and rolling grants, standard and advanced fellowships

PhD and postdoctoral supervision:

Responsible for PDRA **Ole Host** (2009-)

Main supervisor PhD **Emily Hall** UCL (2008-)

Co-supervisor PhD **Adam Hawken**, UCL (2008-)

Main supervisor PhD **Donnacha Kirk**, UCL (2008-)

Co-supervisor PhD **Angeliki Kitiakou**, UCL (2005-)

Responsible for PDRA **Lisa Voigt** (2006-)

Responsible for PDRA **Eduardo Cypriano** (2005-2008) – currently lecturer in Sao Paolo Univ

Effective main supervisor PhD **Kathinka Evans**, Oslo (2004-2009)

Main supervisor PhD **Alex Abate**, UCL (2004-2008) – currently PDRA in Orsay, Paris

Co-supervisor PhD **Anais Rassat**, UCL (2004-2008) – currently PDRA in Saclay, Paris

Main PhD supervisor **Keith Biner**, UCL (2005-2007, terminated)

Main PhD supervisor **Fergus Simpson**, IoA Cambridge (2003-2006) – currently PDRA in Edinburgh

Teaching:

2006-9 Lecturer, 33 lecture course 3C36 Cosmology & Extragalactic Astronomy (Jan-Mar)
<http://star.ucl.ac.uk/~sarah/3136/>

2007 Organiser and teacher of 1 week introduction to cosmic shear research (6
students) <http://www.sarahbridle.net/cosmiclensing/lensingin1week>

2007 Lecturer, 4 Graduate Lectures on cosmology, UCL

2005/2007 Tutor, 3 students, weekly 1 hour tutorials, UCL

2005 Lecturer, half of 33 lecture course 3C36 Cosmology & Extragalactic Astronomy

2004/2005 Tutor, 5 students, weekly 1 hour tutorials, UCL

2004 Lecturer, 4 Graduate Lectures, University College London
<http://www.sarahbridle.net/lectures/>

2004 Lecturer, 2 'Graduate Primers' University College London

2003-2004 Graduate Tutor, IoA Cambridge

2003-2004 Director of Studies in Physics, Selwyn College

2003 Lecturer, 8 lectures, Graduate Astronomy, IoA

2002-2004 Weekly tutorials, 2nd year undergraduate physics, Selwyn College

2002 Supervisor of a summer student, IoA Cambridge

2002 Advisor, 3rd year undergraduate astronomy, IoA Cambridge

2001/2002 Weekly tutorials, 3rd year undergraduate astronomy, IoA Cambridge

2001/2002 Weekly tutorials, 1st year undergraduate physics, Selwyn College

1999/2000 Pupil Researcher Initiative placement, at the Perse Girls School

1998/1999 Weekly tutorials, 1st year undergraduate physics, Pembroke College

1999 Lecturer, Jodrell Bank/Cambridge Statistics Workshop

1998&9 Demonstrator, 4th year undergraduate Physics Examples Class

1998&9 Personal tutor for undergraduate student at Bangor University

1997/8 Weekly tutorials, 2nd year undergraduate physics, Pembroke College and Trinity
Hall

1997 Demonstrator, Physics Part II Computing Course

1996 STIMULUS placement, teaching science in Primary School

Undergraduate and masters project and visiting student supervision:

Steven Tame (co-supervisor summer project 2009)

Yolanda Jimenez-Teja (1 month visit during PhD in Granada, Spain 2009)

Benjamin Joachimi (6 month visit during PhD in Bonn, Germany 2009)

Katarina Markovic (summer project 2007, undergraduate project 2007/08 – Prize for best astrophysics project of the year, summer project 2008 – currently PhD student in Munich)

Adam Hawken (summer project 2007, undergrad project 2007/08, summer project 2008 – currently PhD student at UCL)

Stephen Harrison (undergraduate project 2007/08, currently PhD student at UCL)
Darius Bahirey (masters project 2007-2008, terminated for personal reasons)
Theseaus Papadopoulos (co-supervisor masters project 2007-2008)
James Kingston (co-supervisor masters project 2006-2007, co-supervisor summer project 2007)
Richard Cook (undergraduate project 2006/2007 and summer project 2007 - co-supervisor - currently PhD student at Brown)
David Sutton (undergraduate project 2005/2006 – Prize for best astrophysics project of the year; summer project 2006; currently PhD student in Oxford)
Geraldine Marien (undergraduate project 2005/2006)
Jay Joshi (undergraduate project 2005/2006)
Iraklis Konstantopoulos (undergraduate project 2004/2005 – currently PhD student at UCL)
Jennifer Roderick (undergraduate project 2004/2005) Prize for best astrophysics project of the year)

Recent conferences, Visits and Talks:

Sept09 - Unable to travel for health reasons
Aug 09 DUEL Workshop, Paris (invited lecturees)
Jul 09 GREAT08 Challenge Final Workshop at COSMOSTATS09, Ascona (talk)
Jun 09 Aspen workshop on Wide-Fast-Deep Surveys (invited talk)
Jun 09 Aspen workshop on Testing GR in the cosmos (participation)
Jun 09 Euclid Imaging Consortium meeting, Rome (talk, participation)
May 09 Dark Energy Survey Collaboration meeting, Rio/videocon (talks, session organization)
May 09 Invited Colloquium, MPIA, Bonn, Germany
April 09 Talk in lensing symposium of JENAM, U Herts, UK
Nov 08 Dark Energy Survey Collaboration meeting, Ohio (multiple talks, session organization)
Oct 08 Invited seminar at Saclay, Paris
Oct 08 Invited seminar and visit to ETH, Zurich
Sep 08 Invited talk at Institute d'Astrophysique de Paris (IAP)
Sep 08 Talk at European Conference on Machine Learning, Antwerp on GREAT08
Aug 08 Invited seminar at JPL
Jun-Dec 08 On sabbatical at SAP CEA Saclay and IAS Orsay, Paris

Recent Outreach:

Feb 09 Speed meeting scientists - Big Bang Fair, London
Nov 08 Invited talk at British Astronomical Society
Jul 08 Guest on UCL weekly podcast
Jul 08 Guest on weekly Guardian Science podcast
May 08 SuperClubsPlus "Ask an Expert" session
Apr 08 Oxford University Department for Continuing Education (OUDCE) The 30th annual astronomy weekend, talk '*Dark matter astronomy*'

Publications

* Indicates authors for whom I was the primary supervisor.

Submitted to refereed journals:

41. Voigt*, L., **Bridle, S.L.**

MNRAS, submitted

40. Hawken*, A., **Bridle, S.L.**

Gravitational Flexion by Elliptical Dark Matter Haloes

MNRAS, submitted, arXiv:0903.3938, undergoing minor revision

39. Schneider*, M., **Bridle, S.L.**

A halo model for intrinsic alignments of galaxy ellipticities

MNRAS, submitted arXiv:0903.3870

Refereed papers:

38. Abate, A., Wittman, D., Margoniner, V., **Bridle, S.L.**, Gee, P., Tyson, J.A., Dell'Antonio, I.

Shear-Selected Clusters From the Deep Lens Survey III: Masses from Weak Lensing

ApJ, accepted

37. Evans*, K., **Bridle, S.L.**

'Detection of dark matter halo ellipticity from lensing by galaxy clusters in SDSS

ApJ

36. **Bridle, S.L.**, and 30 co-authors

'The GREAT08 Challenge Handbook: An image analysis challenge for cosmology'

Annals of Applied Statistics, accepted. March 2009 <http://arxiv.org/abs/0802.1214>

35. Abate*, A., **Bridle, S.L.**, Tedoro, L., Warren, M. And Hendry, M.

'Peculiar Velocities into the Next Generation: Cosmological Parameters without Bias from Nonlinear Structure'

MNRAS <http://xxx.soton.ac.uk/abs/0802.1935>

34. Refregier, A., ..., **Bridle, S.L.**, et al.

'The DUNE mission'

Experimental Astronomy <http://arxiv.org/abs/0802.2522>

33. Paulin-Henriksson, S., Amara, A., Voigt*, L., Refregier, A. and **Bridle, S.L.**

'Requirements on PSF Calibration for Dark Energy from Cosmic Shear'

A&A <http://xxx.soton.ac.uk/abs/0711.4886>

32. Takada, M. and **Bridle, S.L.**

'Covariance between cluster counts and the weak lensing power spectrum'

New J. Phys. 9 446 (2007) <http://www.iop.org/EJ/abstract/1367-2630/9/12/446>

31. **Bridle, S.L.** and King, L.J.

'Photometric redshift requirements for removal of intrinsic ellipticity-shear correlations'

New J. Phys. 9 444 (2007) <http://www.iop.org/EJ/abstract/1367-2630/9/12/444>

30. Blake, C., Collister, A., **Bridle, S.L.** and Lahav, O.
'Cosmological baryonic and matter densities from 600000 SDSS luminous red galaxies with photometric redshifts'.
MNRAS 374(4) 1527-1548 (2007). [**12**]* <http://arxiv.org/abs/astro-ph/0605303>
27. **Bridle, S.L.** and Abdalla, F.B.
'The galaxy-galaxy lensing contribution to the cosmic shear two point function',
ApJ 655, L1-L4 (2007). [**1**] <http://arxiv.org/abs/astro-ph/0608002>
26. Massey, R., Heymans, C., Berge, J., Bernstein, G., **Bridle, S.L.**, Clowe, D., Dahle, H., Ellis, R., Erben, T., Hettterscheidt, M., High, F., Hirata, C., Hoekstra, H., Hudelot, P., Jarvis, M., Johnston, D., Kuijken, K., Margoniner, V., Mandelbaum, R., Mellier, Y., Nakajima, R., Paulin-Henriksson, S., Peeples, M., Roat, C., Refregier, A., Rhodes, J., Schrabback, T., Schirmer, M., Seljak, U., Semboloni, E., Van Waerbeke, L.
'The Shear TEsting Programme 2: Factors affecting high precision weak lensing analyses',
MNRAS 376(1), 13-38 (2007). [**10**] <http://arxiv.org/abs/astro-ph/0608643>
25. Simpson*, F. and **Bridle, S.L.**
'The Redshift Sensitivities of Dark Energy Surveys',
PRD 73, 083001 (2006). [**13**] <http://arxiv.org/abs/astro-ph/0602213>
24. Heymans, C., Van Waerbeke, L., Bacon, D., Berge, J., Bernstein, G., Bertin, E., **Bridle, S.**, Brown, M., Clowe, D., Dahle, H., Erben, T., Gray, M., Hettterscheidt, M., Hoekstra, H., Hudelot, P., Jarvis, M., Kuijken, K, Margoniner, V., Massey, R., Mellier, Y., Nakajima, R., Refregier, A., Rhodes, J., Schrabback, T., Wittman, D.
'The Shear TEsting Programme 1: Weak lensing analysis of simulated ground-based observations'
MNRAS 368, 1323 (2006). [**44**] <http://arxiv.org/abs/astro-ph/0506112>
23. Blake, C. and **Bridle, S.L.**
'Cosmology with photometric redshift surveys',
MNRAS 363(4), 1329-1348 (2005). [**30**] <http://arxiv.org/abs/astro-ph/0411713>
22. Kaplinghat, M. and **Bridle, S.L.**
'Testing for a Super-Acceleration Phase of the Universe',
PRD 71, 123003 (2005). [**19**]
21. Simpson*, F. and **Bridle, S.L.**
'Illuminating Dark Energy with Cosmic Shear',
PRD 71, 83501 (2005) [**13**]
20. Rawlings, S., Abdalla, F., **Bridle, S.L.**, Blake, C., Baugh, C., Greenhill, L. and van der Hulst, J.
'Galaxy Evolution and Cosmology with the Square Kilometre Array',
in "Science with the Square Kilometer Array", eds.C. Carilli and S. Rawlings, New Astronomy Reviews (Elsevier: Amsterdam) (2005). [**7**]
19. Blake, C., Abdalla, F., **Bridle, S.L.** and Rawlings, S.
'Cosmology with the Square Kilometre Array',
in "Science with the Square Kilometer Array", eds. C.Carilli and S.Rawlings, New Astronomy Reviews (Elsevier: Amsterdam) (2005). [**11**]
18. Allen, S., Schmidt, R. and **Bridle, S.L.**

* Citation stats in square brackets taken from SPIRES last updated May 2007.

'A preference for a non-zero neutrino mass from cosmological data',
MNRAS 346, 593 (2003). [**85**] <http://arxiv.org/abs/astro-ph/0306386>

17. Saini, T., Weller, J. and **Bridle, S.L.**
'Revealing the Nature of Dark Energy Using Bayesian Evidence',
MNRAS 348, 603. (2004). [**38**]

16. **Bridle, S.L.**, Lewis, A. M., Weller, J., and Efstathiou, G.
'Reconstructing the primordial power spectrum',
MNRAS 342, L72 (2003). [**123**]
<http://arxiv.org/abs/astro-ph/0302306>

15. **Bridle, S.L.**, Lahav, O., Ostriker, J. and Steinhardt, P.
'Precision Cosmology? Not Just Yet...',
Science, Vol. 299, Number 5612, pp1532-1533 7 March 2003 (astro-ph/0303180). [**57**]
<http://arxiv.org/abs/astro-ph/0303180>

14. Saini, T., Padmanabhan, T. and **Bridle, S.L.**,
'Response of distance measures to the equation of state',
MNRAS 343, 533 (2003). [**16**]
<http://arxiv.org/abs/astro-ph/0301536>

13. Lewis, A. M. and **Bridle, S.L.**,
'Cosmological parameters from CMB and other data: a Monte-Carlo approach',
PRD 66, 103511 (2002). [**292**]
<http://arxiv.org/abs/astro-ph/0205436>

12. **Bridle, S.L.**, Crittenden, R., Melchiorri, A., Hobson, M.P., Kneissl, R., Lasenby, A.N. 2001
'Analytic Marginalisation over CMB Calibration and Beam Uncertainty',
MNRAS, 335, 1193 (2002). [**40**]

11. Marshall, P.J., Hobson, M.P., Gull, S.F., **Bridle, S.L.**
'Maximum-Entropy Weak Lens Reconstruction: Improved Methods and Application to Data.',
MNRAS, 335, 1037 (2002). [**21**]

10. Hobson, M. P., **Bridle, S.L.**, and O. Lahav,
'Combining cosmological datasets: hyperparameters and Bayesian evidence',
MNRAS 335, 377 (2002). [**23**]

9. Lahav, O., **Bridle, S.L.**, Percival, W. J., Peacock, J. A., Efstathiou, G. P., and the 2dF team,
'The 2dF Galaxy Redshift Survey: The amplitudes of fluctuations in the 2dFGRS and the CMB, and implications for galaxy biasing',
MNRAS 333, 961 (2002). [**144**]

8. Elgarøy, Ø., Lahav, O., Percival, W. J., Peacock, J. A., Madgwick, D. S. **Bridle, S.L.** and the 2dF team,
'A new upper limit on the total neutrino mass from the 2dF Galaxy Redshift Survey',
PRL 89, 61301 (2002). [**154**]

7. **Bridle, S.L.**, Zehavi, I., Dekel, A., Lahav, O., Hobson, M.P., Lasenby, A.N.
'Results of Combining Peculiar Velocity, CMB and Type 1a Supernova Cosmological Parameter Information',
MNRAS, 321, 333, (2001). [**31**]

6. Lahav, O., **Bridle, S.L.**, Hobson, M.P., Lasenby, A.N., Sodre Jr., L.
'*Bayesian 'Hyper-Parameters Approach to Joint Estimation: The Hubble Constant from CMB Measurements'*,
MNRAS, 315, L45 (2000). [21]
5. Efstathiou, G.P., **Bridle, S.L.**, Lasenby, A.N., Hobson, M.P., Ellis, R.S.
'*Constraints on Ω_Λ and Ω_m from Distant Type 1a Supernovae and Cosmic Microwave Background Anisotropies'*,
MNRAS, 303, L47 (1999). [34]
4. Lasenby, A.N., **Bridle, S.L.**, Hobson, M.P.
'*Combining Supernovae and LSS Information with the CMB'*
(proceedings of 'The CMB and the Planck Mission' held in Santander, Spain, June 1998),
Astrophysical Letters and Communications Vol 37, p327 (astro-ph/9901303). [6]
3. **Bridle, S.L.**, Eke, V.R., Lahav, O., Lasenby, A.N., Hobson, M.P., Cole, S., Frenk, C.S., Henry, J.P.
1999,
'*Cosmological Parameters from Cluster Abundances, CMB and IRAS'*,
MNRAS, 310, 565 (1999). [15]
2. Webster, A.M., **Bridle, S.L.**, Hobson, M.P., Lasenby, A.N., Lahav, O., Rocha, G.
'*Joint Estimation of Cosmological Parameters from CMB and IRAS Data'*,
ApJ, 509, L65 (1998).
1. **Bridle, S.L.**, Hobson, M.P., Lasenby, A.N., Saunders, R.
'*A Maximum-Entropy Method for Reconstructing the Projected Mass Distribution of Gravitational Lenses'*,
MNRAS, 299, 895 (1998). [3]

Non-refereed papers, including conference proceedings

15. The Dark Energy Survey Collaboration (Abbott, T. et al)
'*The Dark Energy Survey'*,
White paper submitted to the Dark Energy Task Force (astro-ph/0510346) [4]
14. Annis, J., **Bridle, S.**, Castander, F., Evrard, A., Fosalba, P., Frieman, J., Gaztanaga, E., Jain, B., Kravtsov, A., Lahav, O., Lin, H., Mohr, J., Stebbins, A., Walker, T., Wechsler, R., Weinberg, D., Weller, J.
'*Constraining Dark Energy with the Dark Energy Survey: Theoretical Challenges'*,
White paper submitted to the Dark Energy Task Force (astro-ph/0510195) [4]
13. **Bridle, S.L.**, Heavens, A.
'*Meeting Report: Redshift Surveys'*,
Report on RAS discussion meeting 10 October 2003, A&G.
12. **Bridle, S.L.**, Lewis, A. M., Weller, J., and Efstathiou, G.
'*Reconstructing the primordial power spectrum'*,
to appear in 'Maps of the Cosmos', ASP conference series IAU Symposium 216, eds. M. Colless and L. Staveley-Smith
11. **Bridle, S.L.**
'*First WMAP results'*,

10. Bridle, S.L., Lewis, A. M., Weller, J., and Efstathiou, G.

'Reconstructing the primordial power spectrum',

to appear in *New Astronomy Reviews*, Proceedings of the CMBNET meeting Feb 03.

9. Bridle, S.L., Gull, S., Bardeau, S., Kneib, J.-P.

'A new method for determining galaxy shapes',

proceedings of 'Galaxy Shapes', May 2001, Yale.

8. Bridle, S.L., Smail, I., Bower, R., Kneib, J.-P.

'Weak lensing reconstructions of low X-ray luminosity clusters from HST'

Proceedings of 'Cosmological Physics with Gravitational Lensing', March 2001, Moriond.

7. Bridle, S.L.

'Cosmic Data Fusion'

Proceedings of 'IAU Symposium 201: Cosmological Parameters', August 2000, Manchester.

6. Bridle, S.L., Hobson, M.P., Saunders, R., Lasenby, A.N.

'Maximum-Entropy Reconstruction of Gravitational Lenses using Shear and/or Magnification Data',

(astro-ph/0010387) [1]

5. Bridle, S.L.

'Maximum Entropy Weak Lensing Mass Reconstruction',

Proceedings of 'Cosmological Physics with Gravitational Lensing', March 2000, Moriond.

4. Bridle, S.L.

'Cosmological Parameters from Combining Data Sets'

Proceedings of 'Energy Densities in the Universe', January 2000, Moriond.

3. Bridle, S.L., Hobson, M.P., Saunders, R., Lasenby, A.N.

'Maximum Entropy Cluster Reconstruction from Weak Lensing Data: How Much Data is Needed?',

Proceedings of 'Gravitational Lensing: Recent Progress and Future Goals', (ASP Conf. Ser. 237) July 1999, Boston.

2. Lasenby, A.N., Bridle, S.L., Hobson, M.P., Efstathiou, G.P. 1998,

'Constraints on H_0 from combining CMB, LSS, Supernovae and Clusters',

Proceedings of the XIXth Texas Symposium, Paris, December 1998.

1. Lahav, O., Bridle, S.L.

'Joint Cosmological Inference from Galaxy Surveys, the Cosmic Microwave Background and the X-Ray Background'

Proceedings of 'Evolution of Large Scale Structure: From Recombination to Garching', 1998. [5]